OIPE
JAN 12 2005
PATENT & TRADEMARK OFFICE
JC88

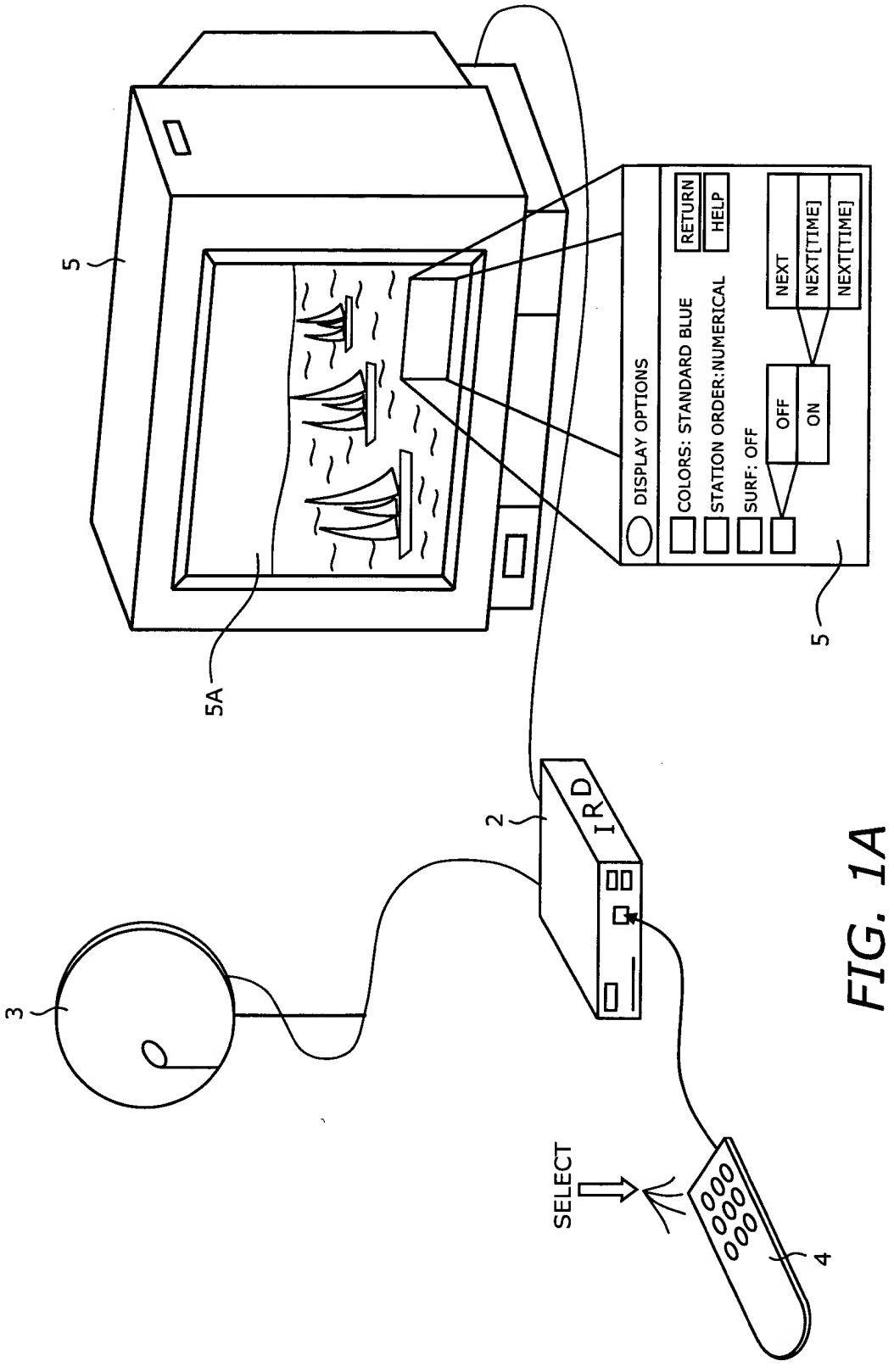

FIG. 1A

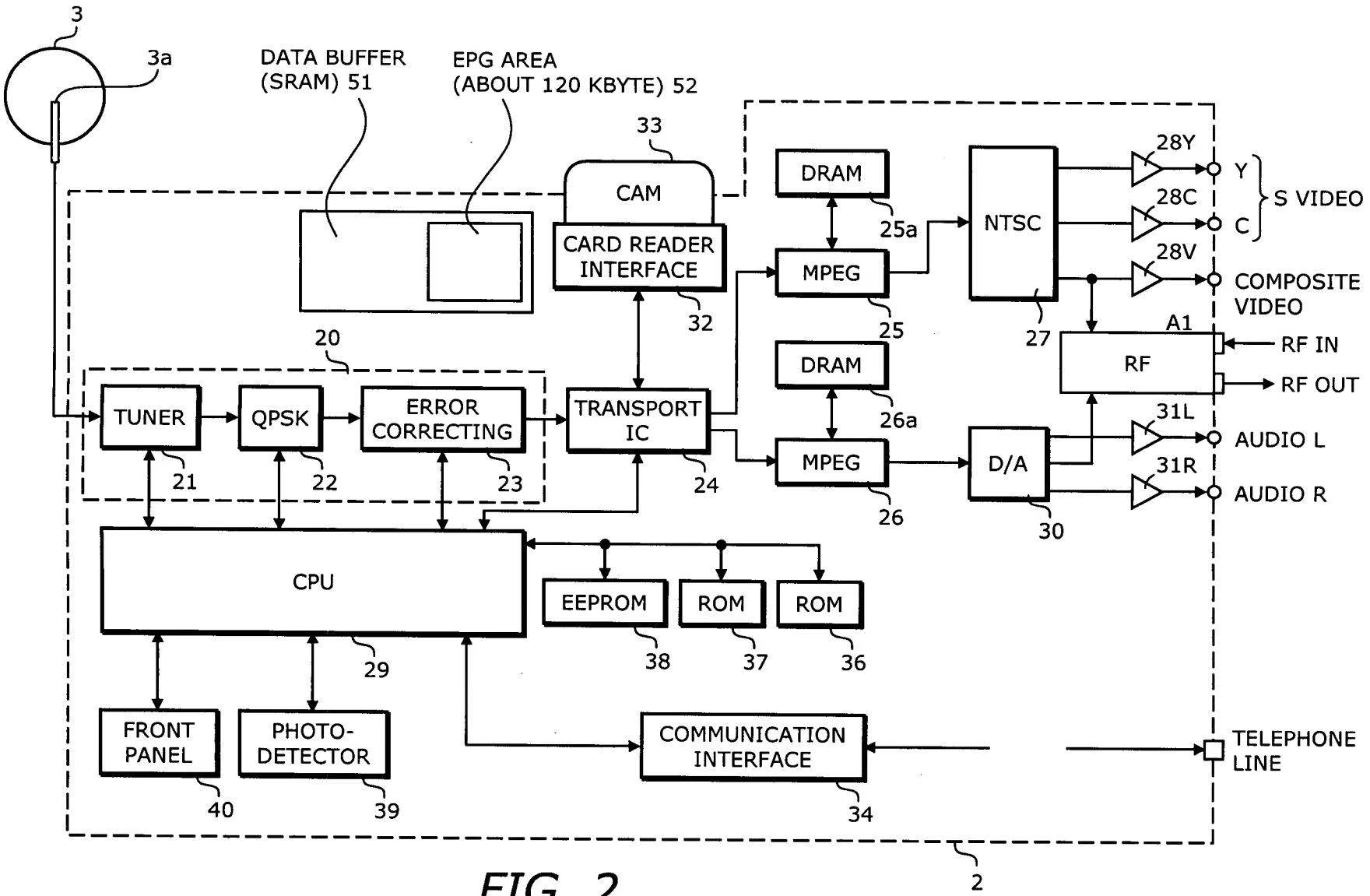
3
3a
DATA BUFFER
(SRAM) 51
EPG AREA
(ABOUT 120 KBYTE) 52
33
CAM
CARD READER
INTERFACE
32
20
TUNER
QPSK
ERROR
CORRECTING
TRANSPORT
IC
21
22
23
24
DRAM
25a
MPEG
25
DRAM
26a
MPEG
26
NTSC
27
D/A
30
28Y
28C
28V
Y
C
S VIDEO
COMPOSITE
VIDEO
A1
RF
RF IN
RF OUT
31L
31R
AUDIO L
AUDIO R
CPU
EEPROM
ROM
ROM
38
37
36
29
FRONT
PANEL
PHOTO-
DETECTOR
40
39
COMMUNICATION
INTERFACE
34
TELEPHONE
LINE
2

FIG. 2

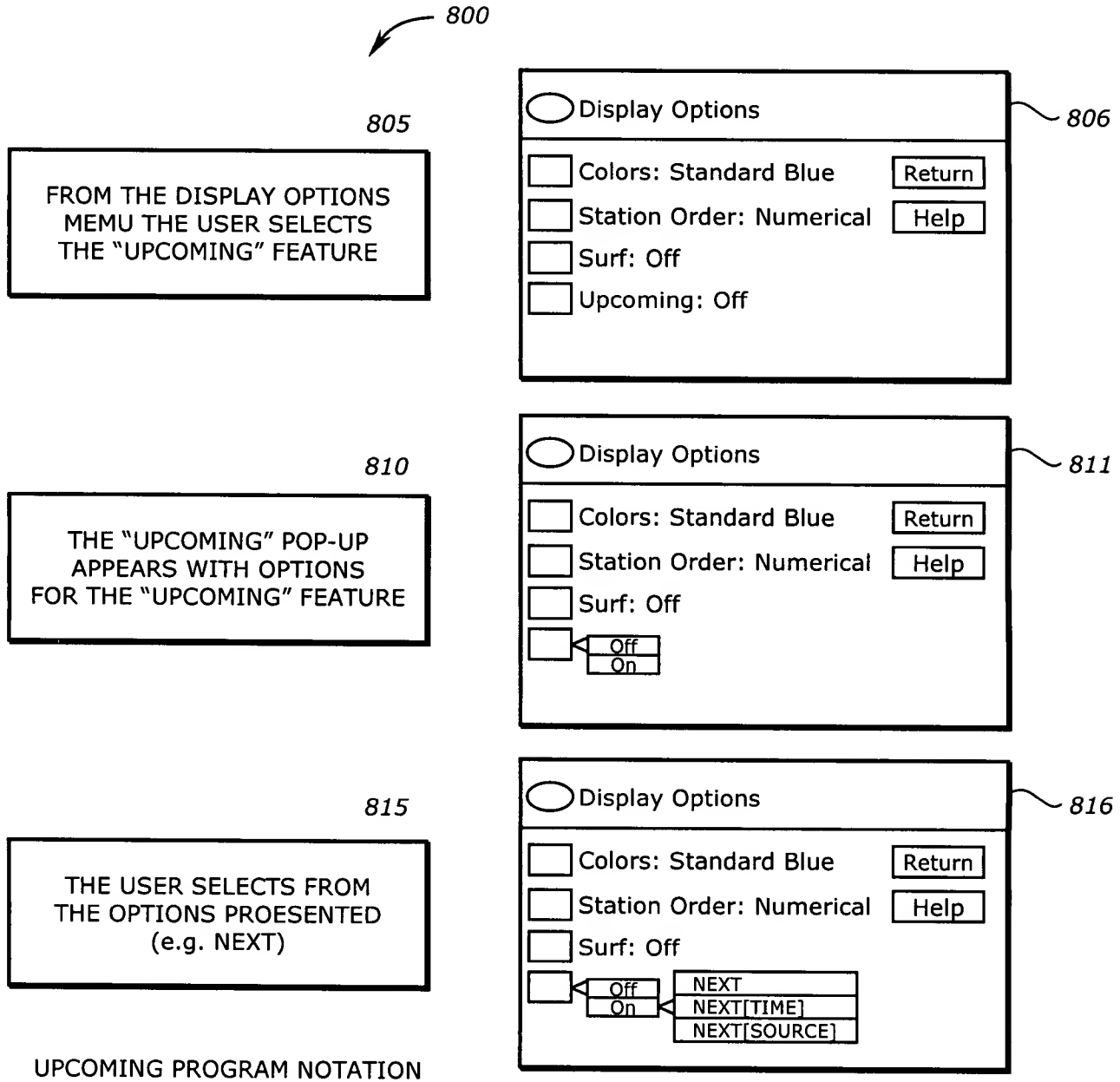

FIG. 8

UPCOMING PROGRAM NOTATION

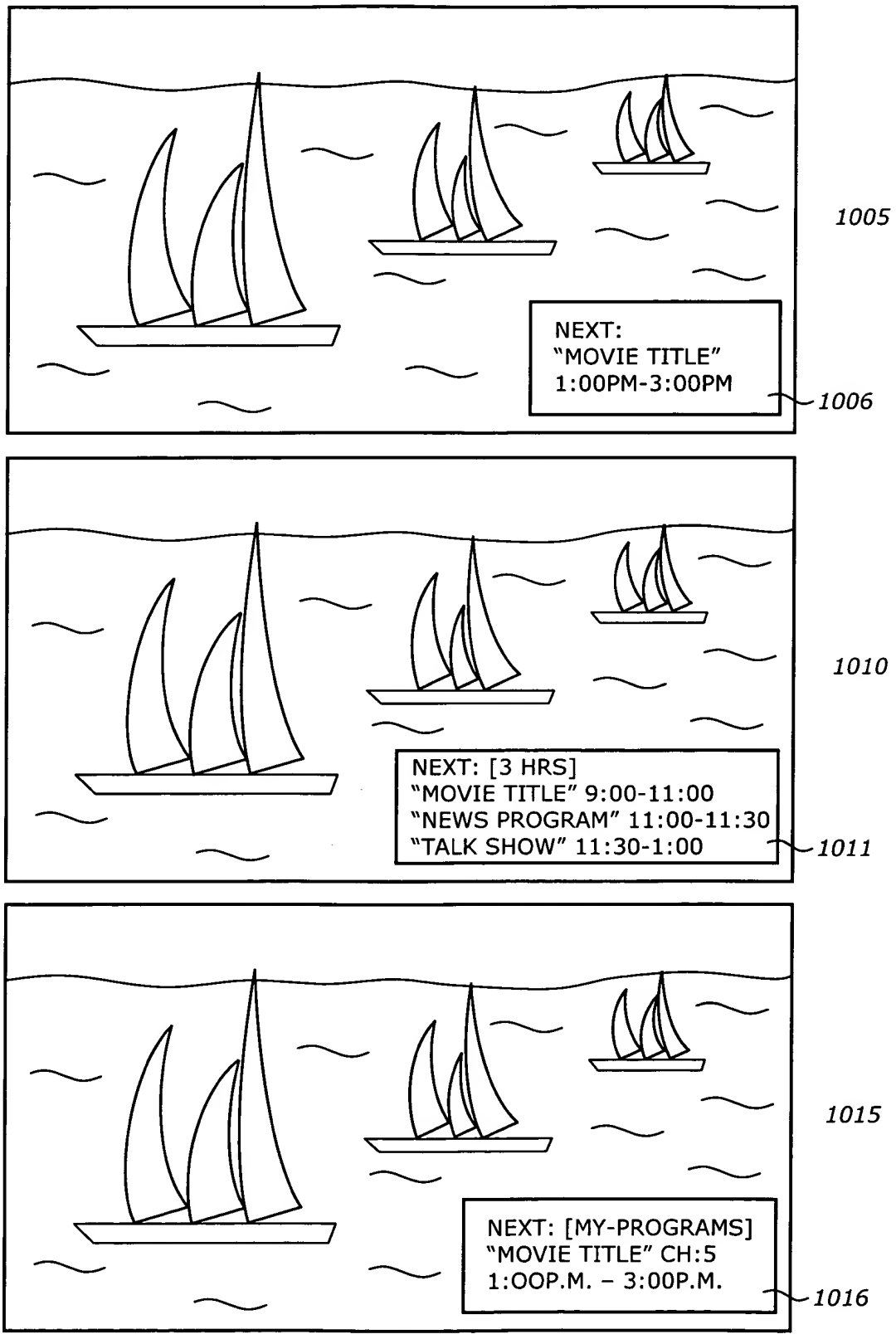
NEXT:
"MOVIE TITLE"
1:00PM-3:00PM
1005
1006
NEXT: [3 HRS]
"MOVIE TITLE" 9:00-11:00
"NEWS PROGRAM" 11:00-11:30
"TALK SHOW" 11:30-1:00
1010
1011
NEXT: [MY-PROGRAMS]
"MOVIE TITLE" CH:5
1:OOP.M. - 3:00P.M.
1015
1016

FIG. 10